



STIC Search Report

EIC 3600

STIC Database Tracking Number: 157738

TO: Frantz Jules
Location: Knox 3C83
Art Unit : 3617
Tuesday, June 28, 2005

Case Serial Number: 10/626906

From: Caryn Wesner-Early
Location: EIC 3600
Knox Rm. 4B71
Phone: 272-3543

caryn.wesner-early@uspto.gov

Search Notes

As I feared, there really didn't seem to be anything. I tried Google Groups, in addition to the regular DIALOG databases, in case it's the sort of thing car enthusiasts might have discussed, but no luck there, either. If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (571) 272-3543
Fax: (571) 273-0046
caryn.wesner-early@uspto.gov





STIC EIC 3600 Search Request Form

157738

Today's Date: 6/28/05 Class/Subclass 152/379.5 What date would you like to use to limit the search: Priority Date: 4/13/99 4/17/97 Other: _____

Name F. Jules
AU 3617 Examiner # 26681
Room # 3C83 Phone 26681
Serial # 10/626906

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC3600 and on the EIC3600 NPL Web Page at <http://ptoweb/patents/stic/stic-ic3600.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Wheel bead seat 20° to 24°

Brent L. Taylor

or see attached

b60b-021?

David A. Kuhl

b60c-015?

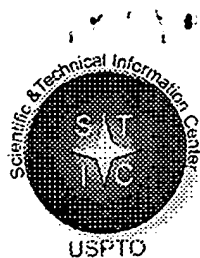
need to find a wheel having bead seat of angle ranging bet 20° to 24° and a bead seat of 22° .

part of the rim where the tire sits

STIC Searcher _____ Phone _____

Date picked up _____ Date Completed _____





STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

Karen Lehman, EIC 3600 Team Leader
(571) 272-3496 Knox 4B68

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 Knox 4B68



? show files;ds
File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
(c) 2005 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2005/Jun W03
(c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050623,UT=20050616
(c) 2005 WIPO/Univentio
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200540
(c) 2005 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.
File 120:U.S. Copyrights 1978-2005/Jun 21
(c) format only 2005 The Dialog Corp.
File 426:LCMARC-Books 1968-2005/Jun W4
(c) format only 2005 Dialog Corporation
File 430:British Books in Print 2005/Jun W3
(c) 2005 J. Whitaker & Sons Ltd.
File 35:Dissertation Abs Online 1861-2005/Jun
(c) 2005 ProQuest Info&Learning
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File 96:FLUIDEX 1972-2005/Jun
(c) 2005 Elsevier Science Ltd.
File 65:Inside Conferences 1993-2005/Jun W4
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File 2:INSPEC 1969-2005/Jun W3
(c) 2005 Institution of Electrical Engineers
File 81:MIRA - Motor Industry Research 2001-2005/May
(c) 2005 MIRA Ltd.
File 6:NTIS 1964-2005/Jun W3
(c) 2005 NTIS, Intl Cpyrghrt All Rights Res
File 144:Pascal 1973-2005/Jun W3
(c) 2005 INIST/CNRS
File 323:RAPRA Rubber & Plastics 1972-2005/Jun
(c) 2005 RAPRA Technology Ltd
File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jun W3
(c) 2005 Inst for Sci Info
File 63:Transport Res(TRIS) 1970-2005/Apr
(c) fmt only 2005 Dialog Corp.
File 15:ABI/Inform(R) 1971-2005/Jun 28
(c) 2005 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2005/Jun 27
(c) 2005 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1982-2005/Jun 28
(c) 2005 The Gale Group
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2005/Jun 28
(c) 2005 The Gale group
File 16:Gale Group PROMT(R) 1990-2005/Jun 28
(c) 2005 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2005/Jun 28
(c)2005 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Dec
(c) 2005 The HW Wilson Co.
File 624:McGraw-Hill Publications 1985-2005/Jun 27
(c) 2005 McGraw-Hill Co. Inc
File 484:Periodical Abs Plustext 1986-2005/Jun W3
(c) 2005 ProQuest
File 141:Readers Guide 1983-2005/Dec

(c) 2005 The HW Wilson Co
 File 646:Consumer Reports 1982-2005/Jun
 (c) 2005 Consumer Union
 File 483:Newspaper Abs Daily 1986-2005/Jun 07
 (c) 2005 ProQuest Info&Learning

Set	Items	Description
S1	1457	AU='REYNOLDS R':AU='REYNOLDS RA'
S2	2	AU='REYNOLDS RALPH D':AU='REYNOLDS RALPH G'
S3	211	AU='REYNOLDS RB':AU='REYNOLDS RE'
S4	36	AU='REYNOLDS RF':AU='REYNOLDS RG'
S5	3	AU='REYNOLDS RI'
S6	153	AU='REYNOLDS RJ':AU='REYNOLDS RO'
S7	58	AU='REYNOLDS RP':AU='REYNOLDS RT'
S8	34	AU='REYNOLDS RVC':AU='REYNOLDS RW'
S9	788	AU='REYNOLDS, R':AU='REYNOLDS, R. NEVILLE'
S10	777	AU='REYNOLDS, R. NEVILLE':AU='REYNOLDS, R.W.'
S11	12	AU='REYNOLDS, RALPH':AU='REYNOLDS, RALPH D.'
S12	30	AU='REYNOLDS, RALPH D.':AU='REYNOLDS, RALPH, 1967-'
S13	1	AU='REYNOLDS, RE'
S14	6	AU='REYNOLDS, RG'
S15	1	AU='REYNOLDS, RI'
S16	2	AU='REYNOLDS, RJ':AU='REYNOLDS, RM'
S17	2	AU='REYNOLDS, RT'
S18	10	AU='COONCE R':AU='COONCE RICHARD W'
S19	0	AU='COONCE RICH'
S20	2	AU='COONCE, RICK'
S21	0	AU='COONCE, RICH'
S22	7	AU='OWNBY S':AU='OWNBY SE'
S23	1	AU='OWNBY, S. E.'
S24	0	AU='OWNBY STEVE'
S25	0	AU='OWNBY, STEVE'
S26	745	AU='TAYLOR B'
S27	77	AU='TAYLOR B L'
S28	7	AU='TAYLOR B.':AU='TAYLOR B., ALBERTO SIDNEY'
S29	104	AU='TAYLOR BL'
S30	6	AU='TAYLOR BRENT'
S31	1	AU='TAYLOR BRENT L'
S32	39	AU='TAYLOR, B'
S33	551	AU='TAYLOR, B.'
S34	17	AU='TAYLOR, B. L.'
S35	1	AU='TAYLOR, B., III'
S36	13	AU='TAYLOR, B.L.'
S37	17	AU='TAYLOR, BRENT'
S38	2	AU='TAYLOR, BRENT, 1963-':AU='TAYLOR, BRENT, 1964-'
S39	1303	AU='TAYLOR M'
S40	51	AU='TAYLOR M M'
S41	21	AU='TAYLOR M.'
S42	4	AU='TAYLOR MAURICE'
S43	3	AU='TAYLOR MAURICE JR':AU='TAYLOR MAURICE M JR'
S44	105	AU='TAYLOR MM'
S45	1	AU='TAYLOR MO'
S46	63	AU='TAYLOR, M'
S47	846	AU='TAYLOR, M.':AU='TAYLOR, M. (EDITOR)'
S48	117	AU='TAYLOR, M. M':AU='TAYLOR, M. MINTER'
S49	4	AU='TAYLOR, M., III':AU='TAYLOR, M., JR.'
S50	39	AU='TAYLOR, M.M.'
S51	184	AU='TAYLOR, MAURICE'
S52	9	AU='TAYLOR, MAURICE M.':AU='TAYLOR, MAURICE MARTIN'
S53	2	AU='TAYLOR, MAURICE, 1973-':AU='TAYLOR, MAURICE, 1984-'

S54 4 AU='CLERGER J':AU='CLERGER JOSEPH B'
 S55 0 AU='CLERGER, JOE'
 S56 184 AU='KUHL D':AU='KUHL D A'
 S57 29 AU='KUHL D.':AU='KUHL DA'
 S58 6 AU='KUHL DAVID':AU='KUHL DAVID A'
 S59 97 AU='KUHL, D':AU='KUHL, D. A.'
 S60 5 AU='KUHL, DAVE, 1968-':AU='KUHL, DAVID'
 S61 1 AU='KUHL, DAVID.'
 S62 7714 S1:S50
 S63 8229 S51:S62
 S64 611 S63 FROM 347,348,349,350,371
 S65 4 IC=(B60B-021? OR B60C-015?)
 S66 4 S64 AND S65
 S67 10 (BEAD OR RIM OR LIP OR LEDGE OR FELLY OR FELLOE) (3N) (SEAT?
 ? OR SUPPORT??? OR INTERLOCK??? OR INTERENGAG???) OR BEADSEAT?
 ?
 S68 10 S64 AND S67
 S69 11 S66 OR S68
 S70 11 IDPAT (sorted in duplicate/non-duplicate order)
 S71 8 IDPAT (primary/non-duplicate records only)
 S72 7618 S63 NOT S64
 S73 0 S67 AND S72
 S74 53 WHEEL? ? OR MAG OR MAGWHEEL? ?
 S75 18 S72 AND S74
 S76 13 S75 NOT PY>1997
 S77 13 S76 NOT PD=19970418:20050731
 S78 10 RD (unique items)
 S79 18 S71 OR S78

79/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01018250

Wheel

Rad

Roue

PATENT ASSIGNEE:

Titan International Inc., (2491800), 2701 Spruce Street, Quincy, Illinois
62301, (US), (Applicant designated States: all)

INVENTOR:

Kuhl, David , 2701 Spruce Street, Quincy, Illinois 62301, (US)

Rankin, Mark, 2701 Spruce Street, Quincy, Illinois 62301, (US)

LEGAL REPRESENTATIVE:

Joly, Jean-Jacques et al (39741), Cabinet Beau de Lomenie 158, rue de
l'Universite, 75340 Paris Cedex 07, (FR)

PATENT (CC, No, Kind, Date): EP 911183 A2 990428 (Basic)
EP 911183 A3 011004

APPLICATION (CC, No, Date): EP 98402557 981014;

PRIORITY (CC, No, Date): US 949700 971014

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: B60B-003/04; B60B-023/00; B60B-023/06;
B60B-023/10

ABSTRACT WORD COUNT: 148

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9917	743
SPEC A	(English)	9917	1829
Total word count - document A			2572
Total word count - document B			0
Total word count - documents A + B			2572

INVENTOR:

Kuhl, David ...

...ABSTRACT rotational axis (14) of the wheel and having a pair of axially spaced, circumferentially extending **bead seats** (20) interconnected by a generally cylindrical base, An annular waffle (24) located in a plane ...

...SPECIFICATION Of The Invention

Waffle wheels for vehicles are known in the art and include a **rim** to **support** a pneumatic tire having a pair of axially spaced, circumferentially extending **bead seats** interconnected by a generally cylindrical base. An annular waffle is secured to the base of...

...the rotational axis of said wheel and having a pair of axially spaced, circumferentially extending **bead seats** interconnected by a generally cylindrical base;
an annular waffle located in a plane generally perpendicular...

...rim disposed about the rotational axis of said wheel and including

axially spaced, circumferentially extending **bead seats** interconnected by a generally cylindrical base; a waffle located in a plane generally perpendicular to...is shown and is generally indicated to by reference numeral 10. Wheel 10 includes a **rim 12** to **support** a pneumatic tire and being disposed about the rotational axis 14 of the wheel 10...

...illustrated. As can be seen, rim 12 includes a pair of axially spaced, circumferentially extending **bead seats 20** interconnected by a generally cylindrical base 22. An annular waffle 24 located in a...

...CLAIMS rotational axis (14) of said wheel and having a pair of axially spaced, circumferentially extending **bead seats (20)** interconnected by a generally cylindrical base (22); an annular waffle (24) located in a...

...12) disposed about the rotational axis of said wheel and including axially spaced, circumferentially extending **bead seats** interconnected by a generally cylindrical base (22); a waffle (24) located in a plane generally...

79/3,K/2 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015724152 **Image available**

WPI Acc No: 2003-786352/200374

Related WPI Acc No: 1998-544532

XRAM Acc No: C03-216717

XRPX Acc No: N03-630107

Vehicle wheel assembly for off-road vehicle, e.g. wheeled backhoe, has bead support surface with specified angle relative to axis of rotation

Patent Assignee: TITAN WHEEL INT INC (TITA-N)

Inventor: **CLERGER J ; COONCE R ; KUHL D ; OWNBY S ; REYNOLDS R ;**

TAYLOR B ; TAYLOR M M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6598640	B1	20030729	US 97842826	A	19970417	200374 B
			US 99394776	A	19990913	

Priority Applications (No Type Date): US 99394776 A 19990913; US 97842826 A 19970417

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 6598640 B1 7 B60C-003/04 CIP of application US 97842826

Vehicle wheel assembly for off-road vehicle, e.g. wheeled backhoe, has bead support surface with specified angle relative to axis of rotation

Inventor: **CLERGER J ...**

... **COONCE R** ...

... **KUHL D** ...

... **OWNBY S** ...

... **REYNOLDS R** ...

... TAYLOR B ...

... TAYLOR M M

Abstract (Basic):

... A vehicle wheel assembly comprises a rim having a central well and a frustoconical **bead support** surface. The **bead support** surface has an angle of 10-12degrees (preferably 11degreesC) with respect to the axis of...

... tire (12) mounted to the rim. The rim has a central well, and a frustoconical **bead support** surface to its either side forming an angle of 10-12degrees (preferably 11degreesC) with respect to the axis of rotation. Each **bead support** surface terminates in an upstanding flange (32) overlapping a radial inner portion of the tire...

...than 0.05 inch. The tire includes a pair of annular beads connected with respective **bead support** surface; plies extending between the beads to define a carcass (42) having a pair of...

...tread portion. The plies extend about the beads to provide a pair of inwardly directed **bead seats** (30a) for connecting with the **bead support** surfaces. The **bead seats** have frustoconical inwardly directed sealing surface complementary to the **bead support** surfaces. The tire has a radial spacing between the sealing surface and an outer surface...

...The **bead seat** angle of 11degrees improves the performance of the assembly, maintains an effective seal, and facilitates installation of the tire on the rim. It enhances the retention of the **bead seat** on the rim ..

... **Bead seats** (30a

International Patent Class (Additional): B60B-021/02 ...

... B60C-015/02

79/3,K/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013674494 **Image available**

WPI Acc No: 2001-158706/200116

XRPX Acc No: N01-115639

Two piece free standing spoked wheel rim, has first and second wheel rim sections welded together along the whole circumference of the wheel rim

Patent Assignee: TITAN WHEEL INT INC (TITA-N)

Inventor: KUHL D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6183047	B1	20010206	US 97896992	A	19970718	200116 B

Priority Applications (No Type Date): US 97896992 A 19970718

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6183047	B1	11	B60B-021/02	

Inventor: **KUHL D**
International Patent Class (Main): **B60B-021/02**

79/3,K/5 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012447364 **Image available**
WPI Acc No: 1999-253472/199921
XRPX Acc No: N99-188656

Driver for bead seat band of large diameter wheels for earthmovers
Patent Assignee: TAYLOR B L (TAYL-I)

Inventor: **TAYLOR B L**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5890526	A	19990406	US 97932120	A	19970917	199921 B

Priority Applications (No Type Date): US 97932120 A 19970917

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5890526	A		7	B60B-025/14	

Driver for bead seat band of large diameter wheels for earthmovers
Inventor: **TAYLOR B L**

Abstract (Basic):

... The driver is designed to be used with the **bead seat** band of large-diameter tires, such as are used by earthmovers, loaders, mine haulage trucks, farm tractors and other off-road vehicles. The **bead seat** is employed in the multi piece rims which facilitate tire mounting and demounting...

...the complimentary set of cams on the crown coact with the cams carried by the **bead seat** .

79/3,K/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

012127620 **Image available**
WPI Acc No: 1998-544532/199847
Related WPI Acc No: 2003-786352
XRAM Acc No: C98-163600
XRPX Acc No: N98-424012

Wheel and tyre assembly for off-road vehicle used on paved road - includes elastomeric cap covering entire tyre carcass and wheel rim with tyre bead support portions terminating in flanges projecting radially outward to reduce rolling of bead seat

Patent Assignee: TITAN INT INC (TITA-N)

Inventor: **CLERGER J B ; COONCE R W ; KUHL D A ; OWNBY C S ; REYNOLDS R G ; TAYLOR B L ; TAYLOR M M ; CLERGER J W**

Number of Countries: 029 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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EP 873888	A2	19981028	EP 98106984	A	19980417	199847	B
AU 9861990	A	19981022	AU 9861990	A	19980417	199903	
CA 2235114	A	19981017	CA 2235114	A	19980417	199912	
BR 9801091	A	19990914	BR 981091	A	19980417	200004	
MX 9803038	A1	19990501	MX 983038	A	19980417	200056	
ES 2154971	A1	20010416	ES 98871	A	19980417	200132	
ES 2154971	B1	20011101	ES 98871	A	19980417	200175	
AU 741644	B	20011206	AU 9861990	A	19980417	200206	
MX 215205	B	20030714	MX 983038	A	19980417	200462	
EP 873888	B1	20041027	EP 98106984	A	19980417	200471	
DE 69827188	E	20041202	DE 98627188	A	19980417	200479	
			EP 98106984	A	19980417		

Priority Applications (No Type Date): US 97842826 A 19970417

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 873888	A2	E	6	B60C-015/024	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT					
LI LT LU LV MC MK NL PT RO SE SI					
AU 9861990	A			B60B-021/10	
CA 2235114	A			B60C-015/024	
BR 9801091	A			B60C-015/024	
MX 9803038	A1			B60B-021/00	
ES 2154971	A1			B60C-003/04	
ES 2154971	B1			B60C-003/04	
AU 741644	B			B60B-021/10	Previous Publ. patent AU 9861990
MX 215205	B			B60C-015/024	
EP 873888	B1	E		B60C-015/024	
Designated States (Regional): BE DE FR GB IT NL					
DE 69827188	E			B60C-015/024	Based on patent EP 873888

... includes elastomeric cap covering entire tyre carcass and wheel rim
with tyre bead support portions terminating in flanges projecting
radially outward to reduce rolling of bead seat
Inventor: CLERGER J B ...

... COONCE R W ...

... KUHLE D A ...

... REYNOLDS R G ...

... TAYLOR B L ...

... TAYLOR M M ...

... CLERGER J W

...Abstract (Basic): and the tread portion. The plies extend about the
beads to provide an inward directed bead seat (46) for sealing
against a rim having an inward directed, frusto-conical, sealing
surface (30)...

...and a pair of lateral extensions projecting from respective side walls
to a pair of bead support surfaces (30). Each bead support
surface is frustoconical with an included angle of 20 - 24 deg. and
terminates at laterally...

International Patent Class (Main): B60B-021/00 ...

... B60B-021/10 ...

... B60C-015/024

International Patent Class (Additional): B60B-021/02 ...

... B60B-021/04 ...

... B60C-015/02

79/3,K/7 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008914165 **Image available**
WPI Acc No: 1992-041434/199205
XRPX Acc No: N92-031878

Wheel rim formation method - involves severing flanged rim base to provide annular surface, before welding gutter to flange

Patent Assignee: TITAN WHEEL INT INC (TITA-N)

Inventor: TAYLOR M

Number of Countries: 014 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9200216	A	19920109				199205 B

Priority Applications (No Type Date): WO 90US3636 A 19900628

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9200216	A				
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Designated States (National): JP

Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL SE

Inventor: TAYLOR M

...Abstract (Basic): section a gutter section having a radially outwardly directed circumferential surface to receive an annular **bead seat** to be secured to the gutter section by a lock...

...USE - A method of forming a wheel rim for the type comprising a **bead seat** at one edge of a rim base and a removable **bead seat** detachably secured to the opposite edge of the rim base. (14pp Dwg.No.1/6)

79/3,K/8 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008074762
WPI Acc No: 1989-339874/198946
XRPX Acc No: N89-258707

Wheel rim for heavy duty vehicle - has annular base with double welded bead seat flange at one end and sliding band with attached flange

Patent Assignee: TAYLOR M (TAYL-I)

Inventor: TAYLOR M

Number of Countries: 030 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8910272	A	19891102				198946 B
AU 8935785	A	19891124				199016

Priority Applications (No Type Date): CA 564890 A 19880422

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8910272 A E

Designated States (National): AU BB BG BR DK FI HU JP KP KR LK MC MG MW
NO RO SD SU US

Designated States (Regional): AT BE CH DE FR GB IT LU NL OA SE

... has annular base with double welded bead seat flange at one end
and sliding band with attached flange

Inventor: TAYLOR M

...Abstract (Basic): an inverted J-section annular flange (18), the welds
being at different radii. An annular bead seat band (24) has an
out-turned flange (36) to which a second annular J-section...

79/3,K/17 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

0398260 NTIS Accession Number: AD-163 771/9/XAB

Track Pad Retention Device

(Patent)

Sinclair, A. H. ; Kozowyk, T. ; Reynolds, R. K. ; Neargarder, R. F. ;
Edson, R. H.

Office of the Secretary of the Army Washington D C

Corp. Source Codes: 403499

Report No.: PAT-APPL-13 404; PATENT-3 642 332

Filed 24 Feb 70 patented 15 Feb 72 3p

Document Type: Patent

Journal Announcement: GRAI7321

Supersedes PAT-APPL-13 404.

Government-owned invention available for licensing. Copy of patent
available Commissioner of Patents, Washington, D.C. 20231 \$0.50.

NTIS Prices: Not available NTIS

Sinclair, A. H. ; Kozowyk, T. ; Reynolds, R. K. ; Neargarder, R. F. ;
Edson, R. H.

... the attachment of the track pad without interruption of the track pad
surface or the wheel path surface. Another object of the invention is to
provide holes in the track shoe...

79/AA,AN,AZ,TI/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2005 European Patent Office. All rts. reserv.

01018250

Wheel

Rad

Roue

APPLICATION (CC, No, Date): EP 98402557 981014;

PRIORITY (CC, No, Date): US 949700 971014

79/AA,AN,AZ,TI/2 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

015724152

WPI Acc No: 2003-786352/

**Vehicle wheel assembly for off-road vehicle, e.g. wheeled backhoe, has
bead support surface with specified angle relative to axis of rotation**

Local Applications (No Type Date): US 97842826 A 19970417; US 99394776 A
19990913

Priority Applications (No Type Date): US 99394776 A 19990913; US 97842826 A
19970417

79/AA,AN,AZ,TI/3 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

013674494

WPI Acc No: 2001-158706/

**Two piece free standing spoked wheel rim, has first and second wheel rim
sections welded together along the whole circumference of the wheel rim**

Local Applications (No Type Date): US 97896992 A 19970718

Priority Applications (No Type Date): US 97896992 A 19970718

79/AA,AN,AZ,TI/4 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012989151

WPI Acc No: 2000-161004/

**Internal bone fixation system for treating bone anomalies, e.g.
thoraco-lumbar spinal instability**

Local Applications (No Type Date): WO 99US15825 A 19990714; AU 9950997 A
19990714; US 98114996 A 19980714; EP 99935537 A 19990714; WO 99US15825 A
19990714; BR 9912265 A 19990714; WO 99US15825 A 19990714; KR 2001700565 A
20010113; WO 99US15825 A 19990714; JP 2000559790 A 19990714; AU 9950997 A
19990714; WO 99US15825 A 19990714; MX 2001418 A 20010112

Priority Applications (No Type Date): US 98114996 A 19980714

79/AA,AN,AZ,TI/5 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012447364

WPI Acc No: 1999-253472/

Driver for bead seat band of large diameter wheels for earthmovers

Local Applications (No Type Date): US 97932120 A 19970917

Priority Applications (No Type Date): US 97932120 A 19970917

79/AA,AN,AZ,TI/6 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012127620

WPI Acc No: 1998-544532/

Wheel and tyre assembly for off-road vehicle used on paved road -
includes elastomeric cap covering entire tyre carcass and wheel rim
with tyre bead support portions terminating in flanges projecting
radially outward to reduce rolling of bead seat

Local Applications (No Type Date): EP 98106984 A 19980417; AU 9861990 A
19980417; CA 2235114 A 19980417; BR 981091 A 19980417; MX 983038 A
19980417; ES 98871 A 19980417; ES 98871 A 19980417; AU 9861990 A 19980417
; MX 983038 A 19980417; EP 98106984 A 19980417; DE 98627188 A 19980417;
EP 98106984 A 19980417

Priority Applications (No Type Date): US 97842826 A 19970417

79/AA,AN,AZ,TI/7 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

008914165

WPI Acc No: 1992-041434/

Wheel rim formation method - involves severing flanged rim base to
provide annular surface, before welding gutter to flange

Priority Applications (No Type Date): WO 90US3636 A 19900628

79/AA,AN,AZ,TI/8 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

008074762

WPI Acc No: 1989-339874/

Wheel rim for heavy duty vehicle - has annular base with double welded
bead seat flange at one end and sliding band with attached flange

Priority Applications (No Type Date): CA 564890 A 19880422

79/AA,AN,AZ,TI/9 (Item 1 from file: 426)
DIALOG(R)File 426:(c) format only 2005 Dialog Corporation. All rts. reserv.

2055008

Upon the potter's wheel ; a testimonial of the grace of God / by Ralph
Vincent Reynolds

79/AA,AN,AZ,TI/10 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

00872747

E.I. Monthly No: EI7910078454

Title: DESIGN AND DEVELOPMENT OF NEW FORESTRY RIM.

79/AA,AN,AZ,TI/11 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.

reserv.

5287335 INSPEC Abstract Number: A9614-9555-006

Title: Design of a stereo multi-spectral CCD camera for Mars pathfinder

79/AA,AN,AZ,TI/12 (Item 2 from file: 2)

DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.
reserv.

4796319 INSPEC Abstract Number: A9423-9870J-003

**Title: The Hamburg quasar monitoring program (HQM) at Calar Alto. III.
Lightcurves of optically violent variable sources**

79/AA,AN,AZ,TI/13 (Item 3 from file: 2)

DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.
reserv.

4796296 INSPEC Abstract Number: A9423-9870J-002

**Title: The Hamburg quasar monitoring program (HQM) at Calar Alto. II.
Lightcurves of weakly variable objects**

79/AA,AN,AZ,TI/14 (Item 4 from file: 2)

DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.
reserv.

4591028 INSPEC Abstract Number: A9406-9870J-005

**Title: Recent activity in the optical and radio lightcurves of the blazar
3C 345: indications for a 'lighthouse effect' due to jet rotation**

79/AA,AN,AZ,TI/15 (Item 5 from file: 2)

DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.
reserv.

02945991 INSPEC Abstract Number: A87107930

**Title: Detection of an extremely faint emission nebula surrounding the hot
white dwarf PB 0108+101**

79/AA,AN,AZ,TI/16 (Item 6 from file: 2)

DIALOG(R)File 2:(c) 2005 Institution of Electrical Engineers. All rts.
reserv.

00239736 INSPEC Abstract Number: C71006998

**Title: Automatic control circuit for an anti-skid braking system in an
automotive vehicle driveline**
725687

79/AA,AN,AZ,TI/17 (Item 1 from file: 6)

DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrghrt All Rights Res. All rts.
reserv.

0398260 NTIS Accession Number: AD-163 771/9/XAB

Track Pad Retention Device
(Patent)

79/AA,AN,AZ,TI/18 (Item 1 from file: 34)
DIALOG(R)File 34:(c) 2005 Inst for Sci Info. All rts. reserv.

01915505

Title: QUANTIFICATION OF RENAL BLOOD-FLOW (RBF) AND EXTRACTION FRACTION
(EF) USING MAG -3 - A CLINICAL-STUDY

? show files;ds

File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)

(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200540

(c) 2005 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

(c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	438013	WHEEL? ? OR MAG OR MAGWHEEL? ?
S2	7739	(BEAD OR RIM OR LIP OR LEDGE OR FELLY OR FELLOE) (3N) (SEAT? ? OR SUPPORT??? OR INTERLOCK??? OR INTERENGAG???) OR BEADSEAT? ?
S3	3527345	ORIENTATION? ? OR SLOPE??? OR ANGLE? ? OR TILT??? OR ALIGN- MENT? ? OR POSITION? ? OR ATTITUDE? ? OR INCLINATION? ? OR SL- ANT? ? OR CORNER? ?
S4	738769	DEGREE? ? OR ARCDEGREE? ?
S5	583	S1(5N)S2
S6	40032	S3(3N)S4
S7	5	S5(S)S6
S8	8	S5 AND S6
S9	43	S1 AND S2 AND S3 AND S4
S10	8306	IC=(B60B-021? OR B60C-015?)
S11	30	S9 AND S10
S12	206	S5 AND (S3 OR S4)
S13	55	S10 AND S12
S14	44	S5(10N) (S3 OR S4)
S15	14	S10 AND S14
S16	19	S8 OR S15
S17	19	IDPAT (sorted in duplicate/non-duplicate order)
S18	19	IDPAT (primary/non-duplicate records only)

18/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

016404213 **Image available**
WPI Acc No: 2004-562125/200454
XRAM Acc No: C04-205495
XRPX Acc No: N04-444706

Aircraft wheel and tyre assembly uses one-piece wheel rim with seats sloping at over 5 degrees and tyre with beads that can move out of round and warp

Patent Assignee: MICHELIN RECH & TECH SA (MICH); SOC TECHNOLOGIE MICHELIN SA (MICH); SOC TECHNOLOGIE MICHELIN (MICH)

Inventor: MONNERIE C

Number of Countries: 108 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200465141	A1	20040805	WO 2004EP228	A	20040115	200454 B
FR 2858804	A1	20050218	FR 20039974	A	20030814	200514

Priority Applications (No Type Date): FR 20039974 A 20030814; FR 2003688 A 20030117

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200465141 A1 F 61 B60C-019/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

FR 2858804 A1 B64C-025/36

Abstract (Basic):

... bars and has a relative flexure under load of greater than 30 per cent. The **wheel rim seats** for the tyre beads have a **slope** of more than 5 degrees and preferably below 15 degrees, and the tyre beads can...

... bars and has a relative flexure under load of greater than 30 per cent. The **wheel rim seats** for the tyre beads have a **slope** of more than 5 degrees and preferably below 15 degrees, and the tyre beads can...

International Patent Class (Additional): **B60B-021/02** ...

... **B60C-015/024**

18/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

015161373 **Image available**
WPI Acc No: 2003-221901/200321
XRAM Acc No: C03-056659
XRPX Acc No: N03-176921

Tire with asymmetrical reinforced sidewalls has beads shaped to engage with wheel rim seats set at different angles to the horizontal

Patent Assignee: SOC TECHNOLOGIE MICHELIN (MICL); MICHELIN RECH & TECH SA
(MICL); SOC TECHNOLOGIE MICHELIN SA (MICL)

Inventor: MUHLHOFF O

Number of Countries: 101 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200310011	A1	20030206	WO 2002EP7953	A	20020717	200321 B
FR 2827810	A1	20030131	FR 20019966	A	20010725	200321
EP 1414655	A1	20040506	EP 2002751144	A	20020717	200430
			WO 2002EP7953	A	20020717	
AU 2002355179	A1	20030217	AU 2002355179	A	20020717	200452
BR 200211367	A	20040921	BR 200211367	A	20020717	200470
			WO 2002EP7953	A	20020717	
JP 2004535327	W	20041125	WO 2002EP7953	A	20020717	200477
			JP 2003515388	A	20020717	
US 20040226642	A1	20041118	WO 2002EP7953	A	20020717	200477
			US 2004763257	A	20040126	
CN 1535215	A	20041006	CN 2002814873	A	20020717	200506
US 6883568	B2	20050426	WO 2002EP7953	A	20020717	200528
			US 2004763257	A	20040126	

Priority Applications (No Type Date): FR 20019966 A 20010725

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200310011 A1 F 12 B60C-013/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

FR 2827810 A1 B60C-013/00

EP 1414655 A1 F B60C-013/00 Based on patent WO 200310011

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002355179 A1 B60C-013/00 Based on patent WO 200310011

BR 200211367 A B60C-013/00 Based on patent WO 200310011

JP 2004535327 W 34 B60C-013/00 Based on patent WO 200310011

US 20040226642 A1 B60C-003/06 Cont of application WO 2002EP7953

CN 1535215 A B60C-013/00

US 6883568 B2 B60C-003/06 Cont of application WO 2002EP7953

**Tire with asymmetrical reinforced sidewalls has beads shaped to engage
with wheel rim seats set at different angles to the horizontal**

Abstract (Basic):

... and beads (3, 3'), has the cross-section of its beads shaped to
engage with **wheel rim seats** set at different **angles** to the
horizontal. The tire has carcass reinforcement (5) with parallel layers
forming an **angle** of 60-90 **degrees** with the circumferential
direction of the tire and fastened to the beads by anchoring rings...

... and beads (3, 3'), has the cross-section of its beads shaped to
engage with **wheel rim seats** set at different **angles** to the
horizontal. The tire has carcass reinforcement (5) with parallel layers
forming an **angle** of 60-90 **degrees** with the circumferential
direction of the tire and fastened to the beads by anchoring rings...

...International Patent Class (Additional): **B60C-015/00** ...

... B60C-015/02

18/3,K/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

008022000 **Image available**
WPI Acc No: 1989-287112/198940
XRPX Acc No: N89-219198

Wheel rim for pneumatic tyre - has arc of reduced flange height and defined bead contact surface angle full flange being relieved at greater radius

Patent Assignee: SUMITOMO RUBBER IND LTD (SUMR)
Inventor: KEMP I; KAMP I
Number of Countries: 010 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 335651	A	19891004	EP 89303031	A	19890328	198940 B
US 4976498	A	19901211	US 89330176	A	19890329	199101
EP 335651	B	19920422	EP 89303031	A	19890328	199217
DE 68901292	E	19920527	DE 601292	A	19890328	199223
			EP 89303031	A	19890328	
ES 2030581	T3	19921101	EP 89303031	A	19890328	199248

Priority Applications (No Type Date): GB 887509 A 19880330

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 335651	A	E	5		
Designated States (Regional): CH DE ES FR GB IT LI NL SE					
EP 335651	B	E	6		
Designated States (Regional): CH DE ES FR GB IT LI NL SE					
DE 68901292	E			B60B-021/10	Based on patent EP 335651
ES 2030581	T3			B60B-021/10	Based on patent EP 335651

...Abstract (Basic): The wheel retaining flange, which is at an **angle A degrees** to the radial direction of the wheel, has a reduced height portion over 0.25...

...Abstract (Equivalent): bead seat (1), said retaining flange being in its radially inner regions (3) at an **angle** of A **degrees** to the radial direction of the wheel and having a height (h) that, measured from...

...3,5,6,7) which is axially outside the inner region (3) is at an **angle B degrees**, where the **angle B** is greater than angle A, to the radial direction so that a tyre bead fitted to the **wheel rim seats** against the tyre retaining flange only to the height (h) of the reduced height portion...

...Abstract (Equivalent): outwards of each bead seat. The flange is in its radially inner regions at an **angle** of A **degrees** with respect to the radial direction of the wheel and having a reduced height portion...

...portion of the flange which is radially outside the reduced height portion is at an **angle B degrees**, where the **angle B** is greater than angle A with respect to the radial direction so that a...

18/3,K/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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002067109

WPI Acc No: 1978-80179A/197845

**Octagonal cord array cross-sections for tyre bead reinforcement - to
minimise bead hoop weight for heavy duty radial ply tyres**

Patent Assignee: UNIROYAL GMBH (USRU)

Inventor: DEVIENNE A M; GROSCH K A; MIRTAIN H J

Number of Countries: 007 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 866677	A	19781103				197845 B
SE 7805045	A	19781127				197850
FR 2389504	A	19790105				197906
CA 1081103	A	19800708				198030
US 4216814	A	19800812				198035
GB 1601143	A	19811028				198144
IT 1107189	B	19851125				198715

Priority Applications (No Type Date): DE 77U13948 U 19770503

...Abstract (Basic): Used es. for heavy duty tyres for lorries, etc. where
the **wheel rim seat** is inclined about 5 **degrees** to the wheel
axis. The stresses are evenly distributed among the constituent cords
of the...

...International Patent Class (Additional): **B60C-015/04**

18/3,K/16 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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001808212

WPI Acc No: 1977-29187Y/197717

**Wheel rim profile for lateral support of radial ply tyres - to
enhance tyre stiffness without involving carcass inserts**

Patent Assignee: GOODYEAR TIRE & RUBBER CO (GOOD)

Number of Countries: 014 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 849638	A	19770415				197717 B
DE 2655389	A	19770714				197729
NL 7613602	A	19770707				197729
SE 7700036	A	19770801				197733
DK 7700022	A	19770829				197738
FR 2337050	A	19770902				197741
ZA 7607012	A	19770922				197746
BR 7608531	A	19771220				197803
US 4077455	A	19780307				197813
CA 1052247	A	19790410				197916
CH 611213	A	19790531				197923
GB 1570077	A	19800625				198026
CS 7700062	A	19810630				198137
IT 1075904	B	19850422				198545

Priority Applications (No Type Date): US 76646714 A 19760105

Wheel rim profile for lateral support of radial ply tyres...

...Abstract (Basic): Complementary tyre and **wheel rim** patterns for **supporting** radial ply tyres are described. The width of the **wheel rim seat** for **supporting** the tyre beads is relatively narrow (D) compared with the width (W) of the wheel...

...of the tyre sidewall so that the sidewall converges towards the radial axis at an **angle** of ≥ 60 **degrees**. The tyre is constructed to a relaxed profile having a greater bead sepn. gap than...

18/3,K/18 (Item 18 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

04535403 **Image available**
WHEEL FOR VEHICLE

PUB. NO.: 06-179303 [JP 6179303 A]
PUBLISHED: June 28, 1994 (19940628)
INVENTOR(s): KUREMATSU YOSHITAKA
APPLICANT(s): ASAHI TEC CORP [350047] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 03-225237 [JP 91225237]
FILED: August 10, 1991 (19910810)
JOURNAL: Section: M, Section No. 1681, Vol. 18, No. 521, Pg. 27,
September 30, 1994 (19940930)

INTL CLASS: **B60B-021/12** ; G06K-001/12

ABSTRACT

...function with the bead section of a tire by showing a bar code at a **position** between the **bead seats** of a **rim**, in a vehicle **wheel** having a machined bar code...

18/3,K/19 (Item 19 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

02638201 **Image available**
WHEEL RIM FOR PNEUMATIC TIRE

PUB. NO.: 63-255101 [JP 63255101 A]
PUBLISHED: October 21, 1988 (19881021)
INVENTOR(s): MAIKERU REIMONDO KOONAA
FUIRITSUPU NIYUUUERU GURIFUISU
TOOMASU HOOMUZU
IAN KENPU
APPLICANT(s): SUMITOMO RUBBER IND LTD [358101] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 63-028357 [JP 8828357]
FILED: February 09, 1988 (19880209)
PRIORITY: 8702889 [GB 872889], GB (United Kingdom), February 10, 1987
(19870210)
JOURNAL: Section: M, Section No. 793, Vol. 13, No. 48, Pg. 71,
February 03, 1989 (19890203)

INTL CLASS: **B60B-021/04**

ABSTRACT

...CONSTITUTION: In a **wheel** rim, there are provided a **bead seat** part 1, forming a taper at the specified **angle** , for example, an angle of 5 deg. in the axial direction, a tire holding flange...

18/AN,AZ,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

016733664

Wheel rim hump molding method for vehicles, involves pressing wheel rim by roller support mold convex portion provided at position which corresponds to concave portion of support mold

Local Applications (No Type Date): WO 2004JP8760 A 20040622; JP 2003178507 A 20030623; JP 2003178481 A 20030623; JP 2003178488 A 20030623; JP 2003178500 A 20030623

Priority Applications (No Type Date): JP 2003178507 A 20030623; JP 2003178481 A 20030623; JP 2003178488 A 20030623; JP 2003178500 A 20030623

18/AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

016404213

Aircraft wheel and tyre assembly uses one-piece wheel rim with seats sloping at over 5 degrees and tyre with beads that can move out of round and warp

Local Applications (No Type Date): WO 2004EP228 A 20040115; FR 20039974 A 20030814

Priority Applications (No Type Date): FR 20039974 A 20030814; FR 2003688 A 20030117

18/AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

015161373

Tire with asymmetrical reinforced sidewalls has beads shaped to engage with wheel rim seats set at different angles to the horizontal

Local Applications (No Type Date): WO 2002EP7953 A 20020717; FR 20019966 A 20010725; EP 2002751144 A 20020717; WO 2002EP7953 A 20020717; AU 2002355179 A 20020717; BR 200211367 A 20020717; WO 2002EP7953 A 20020717; WO 2002EP7953 A 20020717; JP 2003515388 A 20020717; US 2004763257 A 20040126; CN 2002814873 A 20020717; WO 2002EP7953 A 20020717; US

2004763257 A 20040126

Priority Applications (No Type Date): FR 20019966 A 20010725

18/AN,AZ,TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

014230015

Radial pneumatic tyre, has outer surface of bead made with two curved sections

Local Applications (No Type Date): FR 20005343 A 20000425; WO 2001EP4427 A 20010419; AU 200148373 A 20010419; EP 2001921376 A 20010419; WO 2001EP4427 A 20010419; WO 2001EP4427 A 20010419; US 2002279509 A 20021024; CN 2001808574 A 20010419; BR 200110346 A 20010419; WO 2001EP4427 A 20010419; JP 2001578222 A 20010419; WO 2001EP4427 A 20010419; EP 2001921376 A 20010419; WO 2001EP4427 A 20010419; DE 104198 A 20010419; EP 2001921376 A 20010419; WO 2001EP4427 A 20010419

Priority Applications (No Type Date): FR 20005343 A 20000425

18/AN,AZ,TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

013733982

**Elastically deformable, circumferentially inextensible support for tire,
has rubber protuberance(s) on radially inner surface engaging
circumferential groove in wheel rim**

Local Applications (No Type Date): WO 2000EP6702 A 20000713; FR 9910108 A
19990802; EP 2000949335 A 20000713; WO 2000EP6702 A 20000713; EP
2000949335 A 20000713; WO 2000EP6702 A 20000713; DE 14927 A 20000713; EP
2000949335 A 20000713; WO 2000EP6702 A 20000713; EP 2000949335 A 20000713
Priority Applications (No Type Date): FR 9910108 A 19990802

18/AN,AZ,TI/6 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

012339248

Accommodating pressure loss in tire and wheel assemblies

Local Applications (No Type Date): GB 9719439 A 19970913; GB 9719439 A
19970913
Priority Applications (No Type Date): GB 9719439 A 19970913

18/AN,AZ,TI/7 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

008937518

**Replaceable reinforced rubber inlay for tyre and wheel rim interface - to
reduce both tyre wear and retreading costs pref. has polyamide ply and
wire cord reinforcement**

Local Applications (No Type Date): FR 909212 A 19900717; AU 9182176 A
19910712; WO 91FR568 A 19910712; EP 91913035 A 19910712; WO 91FR568 A
19910712; BR 915828 A 19910712; WO 91FR568 A 19910712; JP 91512788 A
19910712; WO 91FR568 A 19910712; AU 9182176 A 19910712; WO 91FR568 A
19910712; US 92838434 A 19920306; EP 91913035 A 19910712; WO 91FR568 A
19910712; DE 607047 A 19910712; EP 91913035 A 19910712; WO 91FR568 A
19910712; EP 91913035 A 19910712; CA 2065336 A 19910712; WO 91FR568 A
19910712
Priority Applications (No Type Date): FR 909212 A 19900717

18/AN,AZ,TI/8 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

008764802

**Wheel for restraining punctured tyre - has outer bead seat with
circumferential hump and two inclined surfaces on which tyre rides**

Local Applications (No Type Date): EP 91301616 A 19910227; US 91660820 A
19910226; EP 91301616 A 19910227; DE 600956 A 19910227; EP 91301616 A
19910227
Priority Applications (No Type Date): JP 9052245 A 19900303; US 91660820 A
19910226

18/AN,AZ,TI/9 (Item 9 from file: 350)
DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

008022000

Wheel rim for pneumatic tyre - has arc of reduced flange height and defined bead contact surface angle full flange being relieved at greater radius

Local Applications (No Type Date): EP 89303031 A 19890328; US 89330176 A 19890329; EP 89303031 A 19890328; DE 601292 A 19890328; EP 89303031 A 19890328; EP 89303031 A 19890328

Priority Applications (No Type Date): GB 887509 A 19880330

18/AN,AZ,TI/10 (Item 10 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

007624681

Alignment of stacked concave inserts for type bead reinforcement - to inhibit lateral displacement into fitting trough about wheel rim

Local Applications (No Type Date): EP 88102789 A 19880225; FR 873526 A 19870312; US 88162605 A 19880301; JP 8858102 A 19880311; KR 882628 A 19880312

Priority Applications (No Type Date): FR 873526 A 19870312

18/AN,AZ,TI/11 (Item 11 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

007595536

Wheel rim for pneumatic tyre - has one flange with reduced height over part of its circumference and whose fitting well is shallow

Local Applications (No Type Date): EP 88300557 A 19880125; US 88154188 A 19880210

Priority Applications (No Type Date): GB 872889 A 19870210

18/AN,AZ,TI/12 (Item 12 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

007016022

Pneumatic tyre and wheel rim for motorcycle - in which toroidal air retaining chamber is substantially separate from tread locating features

Local Applications (No Type Date): EP 86305207 A 19860704; US 86886091 A 19860716; EP 86305207 A 19860704; DE 3686964 A 19860704; EP 86305207 A 19860704

Priority Applications (No Type Date): GB 8517959 A 19850716

18/AN,AZ,TI/13 (Item 13 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

002539389

Hollow metal profiles with sliding diagonal brace - for tyre bead reinforcement to provide an alternating construction for a hollow bead profile

Priority Applications (No Type Date): FR 7831291 A 19781102; FR 7714329 A 19770509

18/AN,AZ,TI/14 (Item 14 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

002075184

Assembling wheel in welding process - from separate disc and rim components

Priority Applications (No Type Date): IT 7767454 A 19770302

18/AN,AZ,TI/15 (Item 15 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

002067109

Octagonal cord array cross-sections for tyre bead reinforcement - to minimise bead hoop weight for heavy duty radial ply tyres

Priority Applications (No Type Date): DE 77U13948 U 19770503

18/AN,AZ,TI/16 (Item 16 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

001808212

Wheel rim profile for lateral support of radial ply tyres - to enhance tyre stiffness without involving carcass inserts

Priority Applications (No Type Date): US 76646714 A 19760105

18/AN,AZ,TI/17 (Item 17 from file: 350)

DIALOG(R)File 350:(c) 2005 Thomson Derwent. All rts. reserv.

000865452

Tyre cover - with rings on beads having conical boss resting on conic support on wheel rim

Priority Applications (No Type Date): FR 7037907 A 19701020

18/AN,AZ,TI/18 (Item 18 from file: 347)

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

04535403

WHEEL FOR VEHICLE

APPL. NO.: 03-225237 [JP 91225237]

18/AN,AZ,TI/19 (Item 19 from file: 347)0

DIALOG(R)File 347:(c) 2005 JPO & JAPIO. All rts. reserv.

02638201

WHEEL RIM FOR PNEUMATIC TIRE

APPL. NO.: 63-028357 [JP 8828357]

PRIORITY: 8702889 [GB 872889], GB (United Kingdom), February 10, 1987
(19870210)

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Set	Items	Description
S1	119176	WHEEL? ? OR MAG OR MAGWHEEL? ?
S2	662	(BEAD OR RIM OR LIP OR LEDGE OR FELLY OR FELLOE) (3N) (SEAT? ? OR SUPPORT??? OR INTERLOCK??? OR INTERENGAG???) OR BEADSEAT? ?
S3	3123456	ORIENTATION? ? OR SLOPE??? OR ANGLE? ? OR TILT??? OR ALIGN- MENT? ? OR POSITION? ? OR ATTITUDE? ? OR INCLINATION? ? OR SL- ANT? ? OR CORNER? ?
S4	2535921	DEGREE? ? OR ARCDEGREE? ?
S5	25	S1(5N)S2
S6	103994	S3(3N)S4
S7	0	S5(S)S6
S8	0	S5 AND S6
S9	2	S5(10N) (S3 OR S4)
S10	2	S5(S) (S3 OR S4)
S11	28	S1(7N)S2
S12	3	S11 AND (S3 OR S4)
S13	2	S12 NOT PY>1997
S14	2	S13 NOT PD=19970418:20050731
S15	2	RD (unique items)

15/3,K/1 (Item 1 from file: 323)
DIALOG(R)File 323:RAPRA Rubber & Plastics
(c) 2005 RAPRA Technology Ltd. All rts. reserv.

00083217

TITLE: RADIAL CARCASS PNEUMATIC TYRE
AUTHOR(S): Bideault P
CORPORATE SOURCE: Michelin & Cie.
PATENT NUMBER: GB2035925
PATENT COUNTRY/KIND CODE: GB2035925
SOURCE: pr.27.11.78(7833652)(FR)publ.25.6.80
JOURNAL ANNOUNCEMENT: 198010 RAPRA UPDATE: 198201
DOCUMENT TYPE: Patent
LANGUAGE: English

ABSTRACT: For a vehicle wheel rim with seats inclined at 15 degrees when inflated but not loaded, has the mean meridian fibre of its carcass reinforcement following...

15/3,K/2 (Item 2 from file: 323)
DIALOG(R)File 323:RAPRA Rubber & Plastics
(c) 2005 RAPRA Technology Ltd. All rts. reserv.

00079887

TITLE: RETAINING TYRE BEADS ON WHEEL BEAD SEATS
AUTHOR(S): SPONAGEL P; TIEMANN R
CORPORATE SOURCE: CONTINENTAL GUMMIWERKE AG
PATENT NUMBER: GB2013589
PATENT COUNTRY/KIND CODE: GB2013589
SOURCE: PR.27.12.77(2758342)(DT)PUBL.15.8.79
JOURNAL ANNOUNCEMENT: 198002 RAPRA UPDATE: 198201
DOCUMENT TYPE: Patent
LANGUAGE: English

TITLE: RETAINING TYRE BEADS ON WHEEL BEAD SEATS
ABSTRACT: THE TIRE BEADS OF A VEHICLE WHEEL AND PNEUMATIC TYRE ASSEMBLY ARE RETAINED IN POSITION ON BEAD SEATS DURING ROTATION OF THE ASSEMBLY BY STOPS IN THE FORM OF PIVOTED OR SLIDABLE CATCHES WHICH ARE DISPLACEABLE UNDER CENTRIFUGAL FORCE FROM AN INNER REST POSITION WITHDRAWN TO BELOW THE BEAD SEATS, TO AN OUTER END POSITION RADIALLY OVERLAPPING THE TYRE BEADS.

DESCRIPTORS: TYRE; TYRE BEAD ; WHEEL ; COMPANY; SEATS ; BEAD ; TIRE;
TIRE BEAD

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(c) 2005 The Gale group
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(c) 2005 Consumer Union
File 483:Newspaper Abs Daily 1986-2005/Jun 07
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Set	Items	Description
S1	415677	WHEEL? ? OR MAG OR MAGWHEEL? ?
S2	1810	(BEAD OR RIM OR LIP OR LEDGE OR FELLY OR FELLOE) (3N) (SEAT? ? OR SUPPORT??? OR INTERLOCK??? OR INTERENGAG???) OR BEADSEAT? ?
S3	4872216	ORIENTATION? ? OR SLOPE??? OR ANGLE? ? OR TILT??? OR ALIGN- MENT? ? OR POSITION? ? OR ATTITUDE? ? OR INCLINATION? ? OR SL- ANT? ? OR CORNER? ?
S4	1443113	DEGREE? ? OR ARCDEGREE? ?
S5	58	S1(5N)S2
S6	40292	S3(3N)S4
S7	0	S5(S)S6
S8	0	S5 AND S6
S9	3	S5(S) (S3 OR S4)
S10	66	S1(7N)S2
S11	33	S10 AND (S3 OR S4)
S12	3	S10(S) (S3 OR S4)
S13	11	S10(3S) (S3 OR S4)
S14	9	S13 NOT PY>1997
S15	8	S14 NOT PD=19970418:20050731
S16	8	RD (unique items)

16/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08743817 SUPPLIER NUMBER: 18379160 (USE FORMAT 7 OR 9 FOR FULL TEXT)
How to measure a wheel: critical dimensions that you should understand.(1996 Performance Handbook)
Mavrigian, Mike
Modern Tire Dealer, v77, n4, pS6(3)
April, 1996
ISSN: 0026-8496 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1070 LINE COUNT: 00081

... place a straightedge ruler on top of the lip (with the ruler at a 90- **degree angle** to the rim lip), as though you were trying to measure the distance from the...

16/3,K/4 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

06803595 SUPPLIER NUMBER: 15149680 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Training is a must! Truck tire mounting/demounting.
Mavrigian, Mike
Modern Tire Dealer, v74, n14, p45(3)
Dec, 1993
ISSN: 0026-8496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2180 LINE COUNT: 00154

... If a dirt or rust buildup isn't the problem, try rotating the tire 180 **degrees** on the rim and measure again.
Don't be too quick to blame the tire...

16/3,K/5 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

06789566 SUPPLIER NUMBER: 14863691 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tire testing. (methods of testing passenger tires)(includes related articles)
Modern Tire Dealer, v74, n13, p26(3)
Nov, 1993
ISSN: 0026-8496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1374 LINE COUNT: 00112

... test for bead-seat integrity where the inflated tire/wheel is held at a fixed **angle** , and a pressure-monitored hydraulic press applies steady pressure to the sidewall in an effort...

...deformation and deflection loading.

In this one, mounted tires are held in an upright, fixed **position** as a hydraulic press slowly pushes a blunt-tipped 3/4-inch diameter bit into ...

16/3,K/6 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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06479763 SUPPLIER NUMBER: 13978174 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Effective tire maintenance for fleet profitability.
Concrete Products, v96, n5, p32(2)
May, 1993
ISSN: 0010-5368 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1047 LINE COUNT: 00082

... seating a tire, Firestone recommends non-petroleum based rubber lubricants to lubricate the tire and **wheel bead seat** . Petroleum distillates can harm rubber compounds and cause deterioration of the tire. Regardless of the...

16/3,K/7 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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04071209 SUPPLIER NUMBER: 07794721 (USE FORMAT 7 OR 9 FOR FULL TEXT)
How to diagnose irregular wear on radial tires. (part 2)
Jones, Tony
Modern Tire Dealer, v70, n8, p22(4)
July, 1989
ISSN: 0026-8496 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2902 LINE COUNT: 00211

... A uniform tire/wheel assembly starts with a true, clean, undamaged hub and a round **wheel** or **rim** with clean **bead seats** .
A good frame and front-end shop can earn -- and pay -- dividends and a truck...

16/3,K/8 (Item 1 from file: 484)
DIALOG(R)File 484:Periodical Abs Plustext
(c) 2005 ProQuest. All rts. reserv.

01509321 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Throw away the spare
McCraw, Jim
Popular Science (GPOS), v242 n5, p88-90+, p.4
May 1993
ISSN: 0161-7370 JOURNAL CODE: GPOS
DOCUMENT TYPE: Feature
LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2237 LENGTH: Long (31+ col inches)

TEXT:

... Goodyear from the Bridgestone runflat design. Early in the program, Goodyear used an asymmetric hump **wheel** to keep the beads on the **bead seats** when the tire deflates. Later in the project, it was decided that, because the tires...

...suspension and vehicle characteristics play a big part. "If you deflate the tire on one **corner** , sitting at zero toe-in and zero camber, things change. Camber now goes positive, about two **degrees** in a Corvette with quite a bit of toe-in, loading the outside shoulder quite...
...to another part of the car. Load decreases on the flat tire, and the

opposite **corner** 's load will also decrease, shifting weight to the two remaining tires and changing all...

16/AA,AN,TI/1 (Item 1 from file: 80)
DIALOG(R)File 80:(c) 2005 The Gale Group. All rts. reserv.

01176448 Supplier Number: 40721337
SCHAEFFER MAGNETICS INTRODUCES SPACEFLIGHT ATTITUDE CONTROL EQUIPMENT

16/AA,AN,TI/2 (Item 1 from file: 16)
DIALOG(R)File 16:(c) 2005 The Gale Group. All rts. reserv.

02828940 Supplier Number: 43803515
CHEETAH CH-3 SAFETY CAGE INFLATE ADAPTER

16/AA,AN,TI/3 (Item 1 from file: 148)
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

08743817 SUPPLIER NUMBER: 18379160
How to measure a wheel: critical dimensions that you should understand.(1996 Performance Handbook)

16/AA,AN,TI/4 (Item 2 from file: 148)
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

06803595 SUPPLIER NUMBER: 15149680
Training is a must! Truck tire mounting/demounting.

16/AA,AN,TI/5 (Item 3 from file: 148)
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

06789566 SUPPLIER NUMBER: 14863691
Tire testing. (methods of testing passenger tires)(includes related articles)

16/AA,AN,TI/6 (Item 4 from file: 148)
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

06479763 SUPPLIER NUMBER: 13978174
Effective tire maintenance for fleet profitability.

16/AA,AN,TI/7 (Item 5 from file: 148)
DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

04071209 SUPPLIER NUMBER: 07794721
How to diagnose irregular wear on radial tires. (part 2)

16/AA,AN,TI/8 (Item 1 from file: 484)
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01509321
Throw away the spare

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Womens Saddle-question - The FAQ

... A steep seat tube **angle** may be good for a time ... that by 26", I am referring to 559mm

bead seat diameter. This size **wheel** is most commonly used in mountain biking ...

[rec.bicycles.tech](#) - May 14 1996, 5:51 am by Eric P. Salathe, Jr. - 24 messages - 19 authors

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... to this problem would

be a 45 **degree** taper in ... check: 10) Go round the entire **wheel**, pinching the ...

[rec.bicycles.misc](#) - Feb 24 1996, 1:53 pm by Mike Iglesias - 4 messages - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... to this problem would

be a 45 **degree** taper in ... check: 10) Go round the entire **wheel**, pinching the ...

[rec.bicycles.misc](#) - Jan 19 1996, 10:48 pm by Mike Iglesias - 1 message - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... to this problem would

be a 45 **degree** taper in ... check: 10) Go round the entire **wheel**, pinching the ...

[rec.bicycles.misc](#) - Dec 19 1995, 9:50 pm by Mike Iglesias - 1 message - 1 author

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Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... What forces keep the rim of a **wheel** with pneumatic ... the rim at about a **45 degree angle**, and being ...

rec.bicycles.misc - Apr 26 1996, 11:16 pm by Mike Iglesias - 5 messages - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... What forces keep the rim of a **wheel** with pneumatic ... the rim at about a **45 degree angle**, and being ...

rec.bicycles.misc - Mar 25 1996, 9:27 am by Mike Iglesias - 3 messages - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... What forces keep the rim of a **wheel** with pneumatic ... the rim at about a **45 degree angle**, and being ...

rec.bicycles.misc - May 23 1996, 11:03 am by Mike Iglesias - 5 messages - 1 author

Double eyelets in 20" rims and fatigue

... 622 and 406 are the **bead seat** diameters. ... But why should the **angle** covering the load

affected zone be bigger for ... at the bottom is 300 mm long in a x-622 **wheel**. ...

rec.bicycles.tech - Feb 10 1996, 3:12 pm by Hans-Joachim Zierke - 6 messages - 2 authors

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... What forces keep the rim of a **wheel** with pneumatic ... the rim at about a **45 degree angle**, and being ...

rec.bicycles.misc - Jan 10 1997, 4:04 pm by Mike Iglesias - 5 messages - 2 authors

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... they have the light frame and 700c wheels of road ... that the pulleys are at a **45 degree angle** to the ...

rec.bicycles.misc - Nov 7 1996, 5:26 pm by Mike Iglesias - 1 message - 1 author

Aluminum wheels (rims)

... being parked overnight in minus 30 **degree** temperatures. ... just as frequently with steel

wheels as with ... tire shops are always overrun with **bead seat** repairs after ...

rec.autos.misc - Dec 8 1995, 11:28 am by David G. Schwartz - 2 messages - 2 authors

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... they have the light frame and 700c wheels of road ... that the pulleys are at a **45 degree angle** to

the ...

[rec.bicycles.misc](#) - Aug 6 1996, 7:00 pm by Mike Iglesias - 1 message - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... they have the light frame and 700c wheels of road ... that the pulleys are at a 45 **degree angle** to the ...

[rec.bicycles.misc](#) - Sep 12 1996, 6:16 pm by Mike Iglesias - 1 message - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... they have the light frame and 700c wheels of road ... that the pulleys are at a 45 **degree angle** to the ...

[rec.bicycles.misc](#) - Apr 16 1997, 2:56 pm by Mike Iglesias - 1 message - 1 author

Rec.Bicycles Frequently Asked Questions Posting Part 2/5

... to as 26" wheels, which is why the **bead seat** diameter number ... they have the light frame and 700c wheels of road ... that the pulleys are at a 45 **degree angle** to the ...

[rec.bicycles.misc](#) - Mar 4 1997, 10:11 pm by Mike Iglesias - 5 messages - 1 author

Immigrant Drivers (was: Calif 3LZN443 - You Idiot!)

... these people are incredibly inept behind the **wheel** of an ... popular with this crowd, to the **degree** that perhaps ... dog on the rear shelf o wooden-**bead seat** covers o ...

[ca.driving](#) - Jul 26 1996, 8:21 pm by Randy Walters - 20 messages - 15 authors

Immigrant Drivers (was: Calif 3LZN443 - You Idiot!)

... these people are incredibly inept behind the **wheel** of an ... popular with this crowd, to the **degree** that perhaps ... dog on the rear shelf o wooden-**bead seat** covers o ...

[ca.driving](#) - Jul 21 1996, 9:19 pm by Geoff Miller - 20 messages - 15 authors

"Asian"

... these people are incredibly inept behind the **wheel** of an ... popular with this crowd, to the **degree** that perhaps ... dog on the rear shelf o wooden-**bead seat** covers o ...

[ha.food](#) - Jul 25 1996, 7:28 pm by Adrian Karl Ong - 114 messages - 37 authors

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	Type	L #	Hits	Search Text
1	IS&R	L1	0	("5323032.pn.") .PN.
2	BRS	L2	1	"5232032".pn.
3	BRS	L3	4	("4108232" "4373567" "4422490" "4658876") .PN.
4	BRS	L4	7	("4108232") .URPN.

	DBs	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Err ors
1	USPAT	2005/06/28 20:36			
2	USPAT	2005/06/28 20:36			
3	US-PGPUB; USPAT; USOCR	2005/06/28 20:36			
4	USPAT	2005/06/28 20:41			

	Type	Hits	Search Text
1	BRS	3100	tire same bead same seat
2	BRS	4607	rim same bead same seat
3	BRS	5906	rim same bead same seat
4	BRS	1778	rim same bead same seat same well
5	BRS	27	rim same bead same seat same well same frustoconical
6	BRS	15	rim same bead same seat same well same frustoconical same angle
7	BRS	7	("3830275" "4029139" "4077455" "4353403" "4462447" "4641670" "5749982").PN.
8	BRS	12	("3830275").URPN.
9	BRS	3	("6036800").URPN.
10	BRS	0	rim same bead same seat same well same frustoconical same "20 to 24 degrees"
11	BRS	0	rim same bead same seat same well same frustoconical same "20.0" same degrees

	DBs	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Er ro rs	Re f #
1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:13				S1
2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:14				S2
3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:14				S3
4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:15				S4
5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:39				S5
6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:15				S6
7	US-PGPUB; USPAT; USOCR	2005/06/28 08:23				S7
8	USPAT	2005/06/28 08:36				S8
9	USPAT	2005/06/28 08:37				S9
10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:39				S10
11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:40				S12

	Type	Hits	Search Text
12	BRS	0	rim same bead same seat same well same frustoconical same "20.0 to 24.0" same degrees
13	BRS	80	301/95.101
14	IS&R	204	(301/95.101).CCLS.
15	BRS	9	("2147377" "2217873" "2479314" "4151870" "4502521" "4561482").PN.
16	BRS	11	("4561482").URPN.
17	IS&R	108	(152/378R).CCLS.
18	IS&R	80	(152/379.5).CCLS.
19	IS&R	117	(152/381.4).CCLS.
20	BRS	10	("3229744").URPN.
21	BRS	213	152/379.3

	DBs	Time Stamp	Co mm en ts	Er r De fi ni ti on	Er ro rs	Re f #
12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:43				S1 3
13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:43				S1 4
14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:43				S1 5
15	US-PGPUB; USPAT; USOCR	2005/06/28 09:04				S1 6
16	USPAT	2005/06/28 09:46				S1 7
17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 09:47				S1 9
18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 10:01				S2 0
19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 10:12				S2 1
20	USPAT	2005/06/28 10:29				S2 2
21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 10:58				S2 3

	Type	Hits	Search Text
22	IS&R	681	(152/379.3,379.4).CCLS.
23	BRS	5511	bead same seat same (wheel or rim)
24	BRS	145	bead same seat same (wheel or rim) same angle same range
25	BRS	0	bead same seat same (wheel or rim) same angle same range same "22 degrees"
26	BRS	0	bead same seat same (wheel or rim) same angle same range same S22 same degrees
27	BRS	6	bead same seat same (wheel or rim) same angle same range same "22" same degrees
28	BRS	0	bead same seat same (wheel or rim) same angle same range same "20 to 22" same degrees
29	BRS	0	bead same seat same (wheel or rim) same angle same range same "20 to 24" same degrees
30	BRS	2	"5931544".pn.

	DBs	Time Stamp	Comments	Error Definition	Errors	Ref #
22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:20				S24
23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:21				S25
24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:21				S26
25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:23				S27
26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:23				S28
27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:26				S29
28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 11:26				S30
29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 16:31				S31
30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 16:31				S32

	Type	Hits	Search Text
31	BRS	53	("0303503" "0337223" "0339550" "0365091" "0444430" "0452046" "0452649" "0478918" "0543310" "0560509" "0582486" "0671778" "0705121" "0725014" "0886565" "1064066" "1160203" "1450064" "1475161" "1476780" "1795574" "2937905" "3008770" "4300804" "4583787" "4626036" "4729605" "4844552" "5061013" "5104199").PN.
32	BRS	19	("5104199").URPN.

	DBs	Time Stamp	Comments	Error Definition	Error	Ref #
31	US-PGPUB; USPAT; USOCR	2005/06/28 16:33				S3 3
32	USPAT	2005/06/28 16:41				S3 4

	Type	L #	Hits	Search Text
1	BRS	L1	3100	tire same bead same seat
2	BRS	L2	4607	rim same bead same seat
3	BRS	L3	5906	rim same bead same seat
4	BRS	L4	1778	rim same bead same seat same well
5	BRS	L5	27	rim same bead same seat same well same frustoconical
6	BRS	L6	15	rim same bead same seat same well same frustoconical same angle
7	BRS	L7	7	("3830275" "4029139" "4077455" "4353403" "4462447" "4641670" "5749982").PN.
8	BRS	L8	12	("3830275").URPN.
9	BRS	L9	3	("6036800").URPN.
10	BRS	L10	0	rim same bead same seat same well same frustoconical same "20 to 24 degrees"

	DBs	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Err ors
1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:13			
2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:14			
3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:14			
4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:15			
5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:39			
6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:15			
7	US-PGPUB; USPAT; USOCR	2005/06/28 08:23			
8	USPAT	2005/06/28 08:36			
9	USPAT	2005/06/28 08:37			
10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:39			

	Type	L #	Hits	Search Text
11	BRS	L12	0	rim same bead same seat same well same frustoconical same "20.0" same degrees
12	BRS	L13	0	rim same bead same seat same well same frustoconical same "20.0 to 24.0" same degrees
13	BRS	L14	80	301/95.101
14	IS&R	L15	204	(301/95.101).CCLS.
15	BRS	L16	9	("2147377" "2217873" "2479314" "4151870" "4502521" "4561482").PN.
16	BRS	L17	11	("4561482").URPN.
17	IS&R	L19	108	(152/378R).CCLS.
18	IS&R	L20	80	(152/379.5).CCLS.
19	IS&R	L21	117	(152/381.4).CCLS.
20	BRS	L22	10	("3229744").URPN.

	DBs	Time Stamp	Co mm en ts	Er ro r De fi ni ti on	Err ors
11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:40			
12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:43			
13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:43			
14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 08:43			
15	US-PGPUB; USPAT; USOCR	2005/06/28 09:04			
16	USPAT	2005/06/28 09:46			
17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 09:47			
18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 10:01			
19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	2005/06/28 10:12			
20	USPAT	2005/06/28 10:29			